Notice of Allowability	Application No.	Applicant(s)	
	10/757,360	KRIZ ET AL.	
	Examiner	Art Unit	
	Chuong A. Luu	2818	
	Chaorig A. Laa	2010	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due cou	rse. THIS
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-4</u> .			
3. \boxtimes The drawings filed on <u>13 January 2004</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Applicati	on No. <i>PCT/EP02/</i> .	from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requir	ements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			ICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ck) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			e the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 7/23/2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview S Paper No 08), 7. ☐ Examiner's	nformal Patent Application (PTO-1: Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowa	ŕ

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DETAILED ACTION

Allowable Subject Matter

Claims 1-4 are allowed.

The following is an examiner's statement of reasons for allowance: The examiner has reviewed the prior art in light of applicant's claimed invention and finds that the combined claims define over the prior art. The cited prior art does not disclose or suggest a method of manufacturing a semiconductor device inter alia the limitations "...generating a highly conductive layer of a highly conductive material on the further polycrystalline layer to form an emitter double layer with the same; effecting, via a temperature treatment, that at least part of the doping atoms of the second conductivity type of the polycrystalline layer get into the semiconductor substrate to electrically connect the base region to the polycrystalline layer; effecting that at least part of the doping atoms of the first conductivity type of the heavily doped further polycrystalline layer get into the basis region to generate an emitter region of the first conductivity type: structuring the emitter double layer emitter terminal area; contacting the emitter terminal area with an contact terminal, wherein the layer and the contact terminal vary, comprising the following substeps: applying an insulating material on the emitter terminal area and etching a contact via into the insulating material, wherein the highly conductive layer in the emitter terminal area is effective as stop layer for the via etching...."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuong A. Luu whose telephone number is (571) 272-1902. The examiner can normally be reached on M-F (6:15-2:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chuong Anh Luu Patent Examiner August 3, 2005